

APPENDIX A  
SOIL POTENTIAL FOR SURFACE LOSS AND LEACHING  
DICKINSON COUNTY, KANSAS

Map Unit Symbol	Map Unit Name	Component Name	Pesticides*		Nutrients	
			Leaching Potential	Adsorbed Loss**	Solution Loss**	Leachin Index (N03)***
CA	CARMILE LOAM	CARMILE				0
CB	CLIME SILTY CLAY LOAM, 2 TO 6 PERCENT SLOPES	CLIME				2
CC	CLIME SILTY CLAY LOAM, 6 TO 15 PERCENT SLOPES	CLIME				2
CD	CLIME-SOGN COMPLEX, 5 TO 20 PERCENT SLOPES	CLIME				2
CD	CLIME-SOGN COMPLEX, 5 TO 20 PERCENT SLOPES	SOGN				0
CE	CRETE SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	CRETE				2
CF	CRETE SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	CRETE				2
CG	CRETE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	CRETE				2
DA	DETROIT SILT LOAM	DETROIT				2
EA	ELSMERE FINE SANDY LOAM	ELSMERE				11
GA	GEARY SILT LOAM, 2 TO 7 PERCENT SLOPES	GEARY				4
HA	HOBBS SILT LOAM	HOBBS				
HA	HOBBS SILT LOAM, CHANNELED	HOBBS				
	IRWIN SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	IRWIN				
IB	IRWIN SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	IRWIN				
LA	LANCASTER-HEDVILLE LOAMS, 3 TO 15 PERCENT SLOPES	LANCASTER				
LA	LANCASTER-HEDVILLE LOAMS, 3 TO 15 PERCENT SLOPES	HEDVILLE				
MA	MCCOOK SILT LOAM	MCCOOK				4
MB	MUIR SILT LOAM	MUIR				4
OA	ORTELLO-WELLS FINE SANDY LOAMS, UNDULATING	ORTELLO				4
OA	ORTELLO-WELLS FINE SANDY LOAMS, UNDULATING	WELLS				4
SB	SOLOMON SILTY CLAY	SOLOMON				11
SC	SUTPHEN SILTY CLAY LOAM	SUTPHEN				0
SD	SUTPHEN SILTY CLAY	SUTPHEN				0
VA	VALENTINE LOAMY FINE SAND, ROLLING	VALENTINE				8
VB	VALENTINE LOAMY FINE SAND, UNDULATING	VALENTINE				8
WA	WELLS LOAM, 3 TO 7 PERCENT SLOPES	WELLS				4

\* VL=Very Low L=Low I=Intermediate H=High

\*\* If slope range of the map unit encompasses 15 percent slopes (example: 6 to 30 percent slopes) and the field in question has a slope range of, for example 12 percent slopes, then reduce the surface loss one class.

\*\*\* If the area is irrigated above the plant need, add the excess acre inches of water used to the above number. Leaching index less than 2 has a low potential for nutrients leaching below the root zone. Leaching index between 2 and 10 inches may contribute to soluble nutrients leaching below the root zone. Leaching index greater than 10 inches has a high potential for soluble nutrients leaching below the root zone. Soils with apparent water table above depth of 6 feet were given a LI of 11.